

BEST AVAILABLE COPY

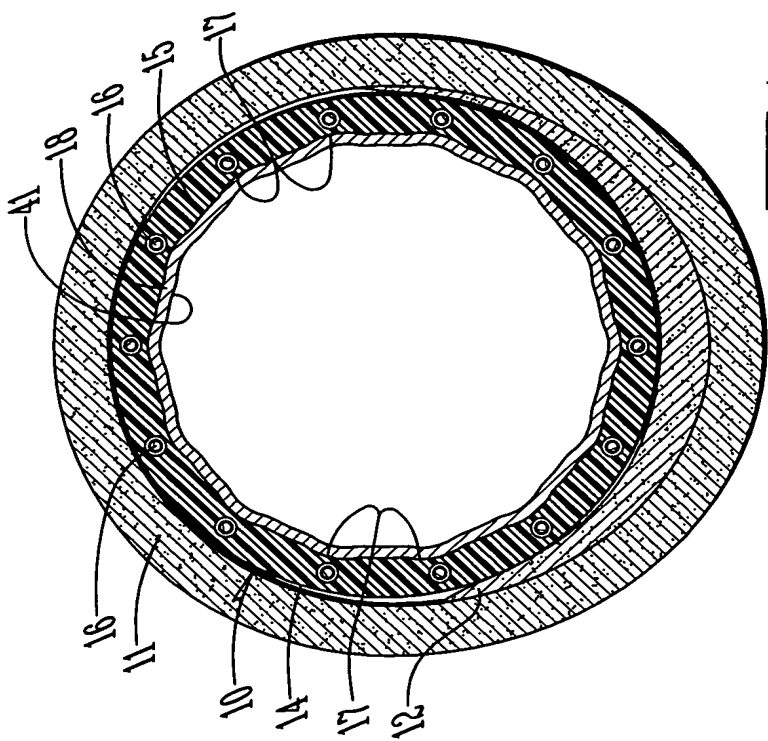


FIG. 4

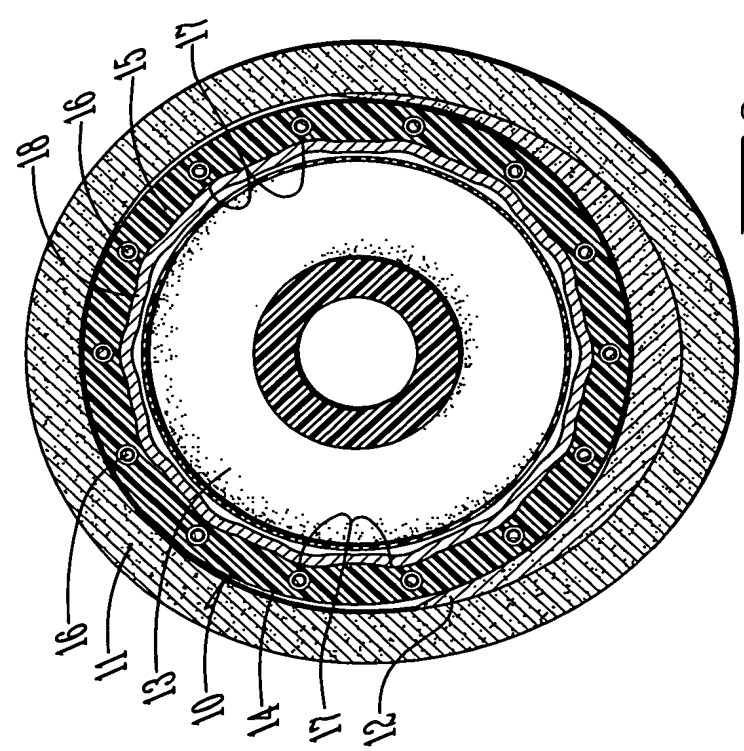
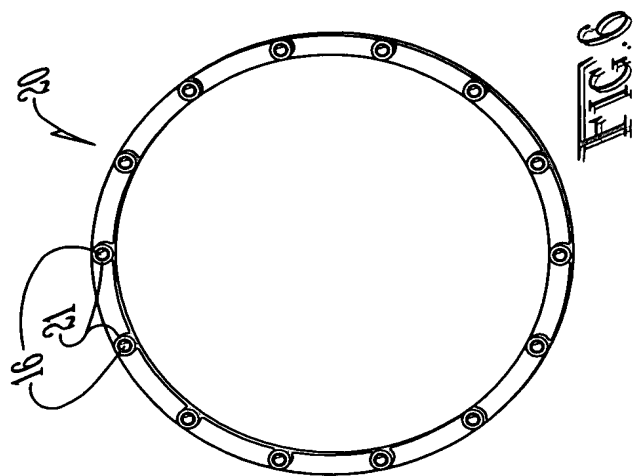
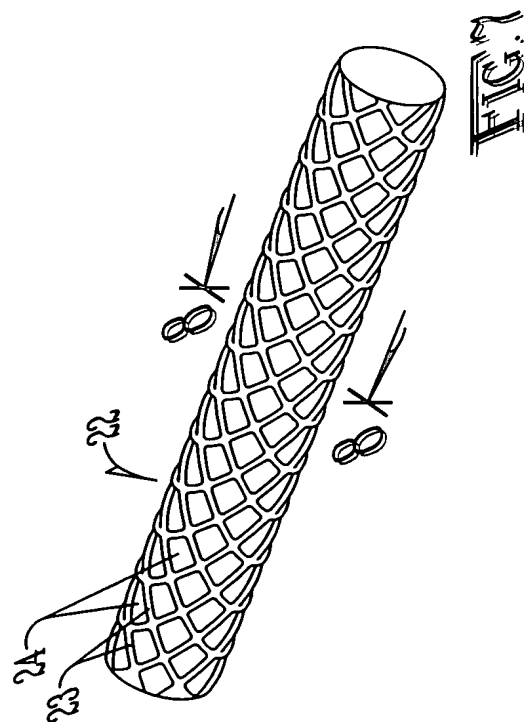
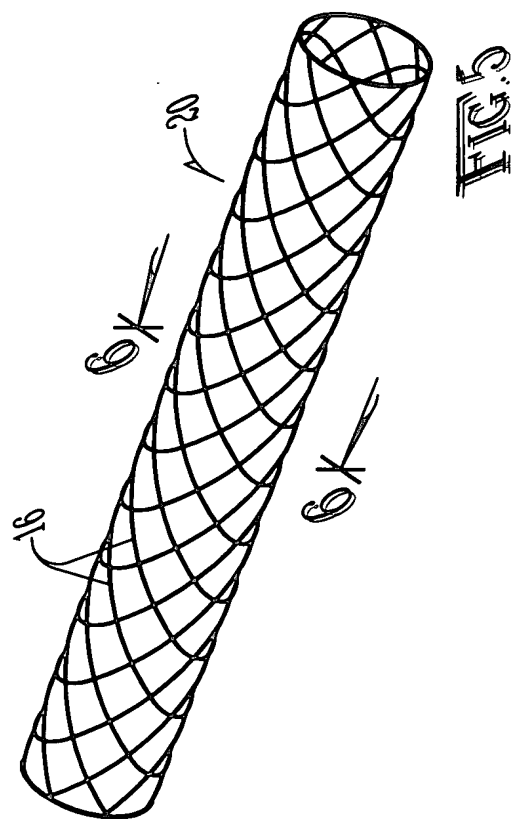
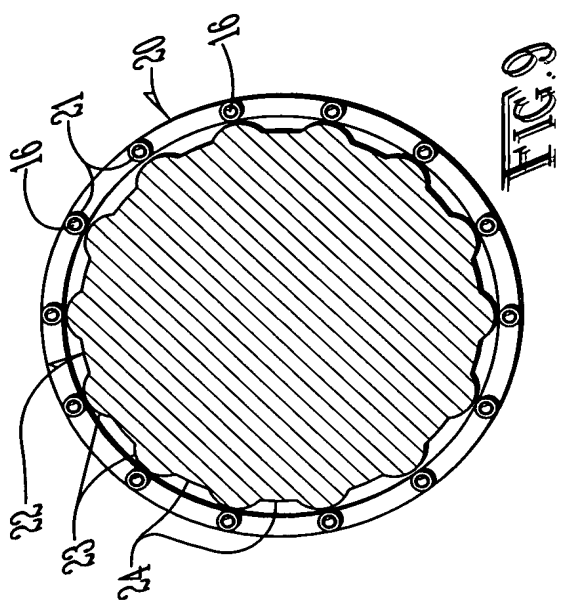
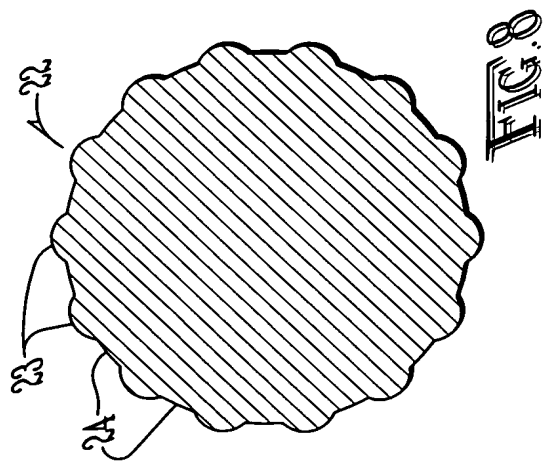


FIG. 3



BEST AVAILABLE COPY



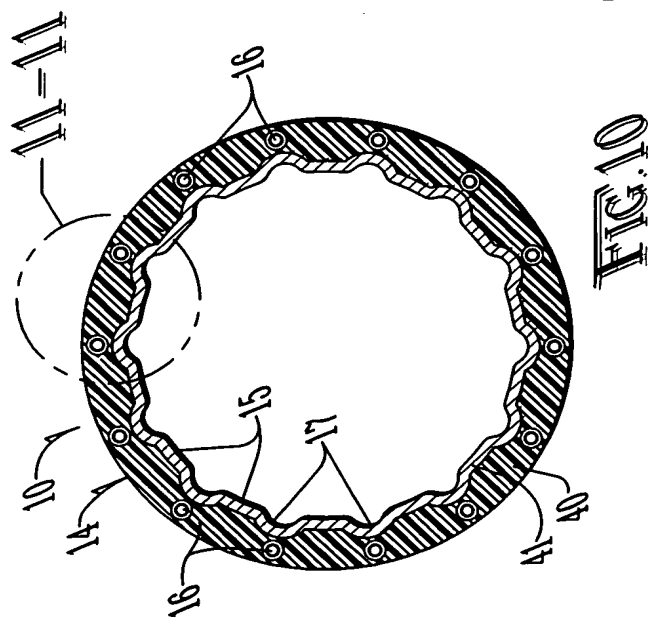


FIG. 10

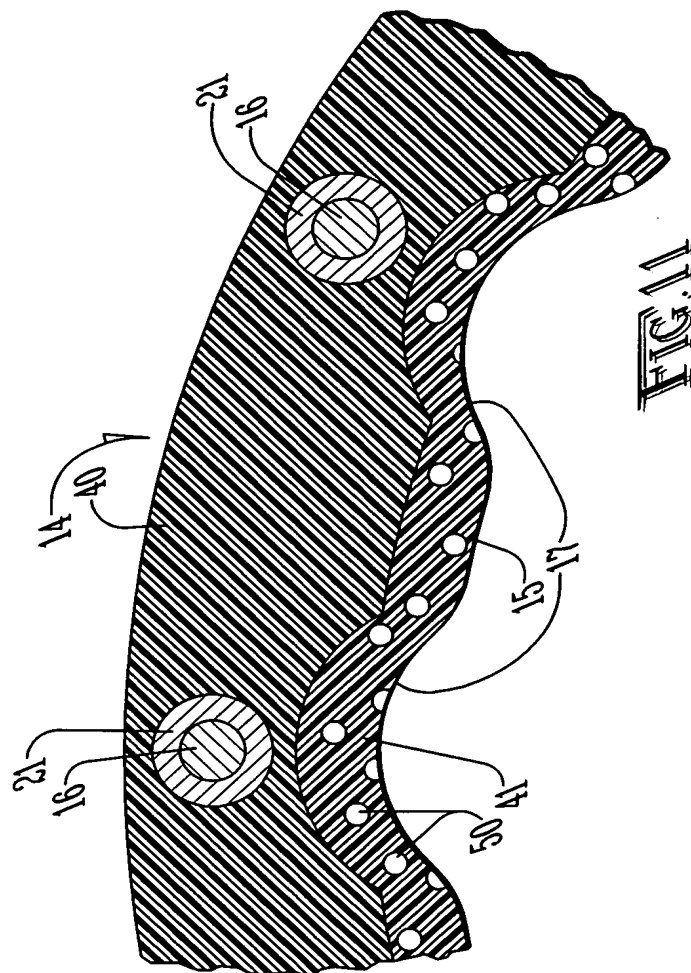


FIG. 11

BEST AVAILABLE COPY

FIG. 12

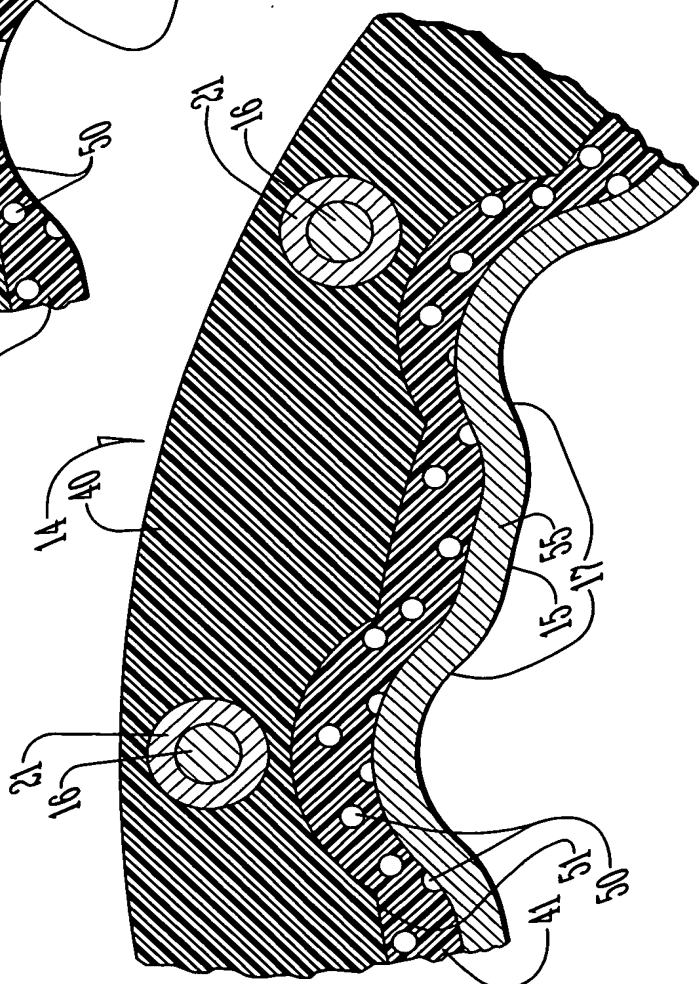
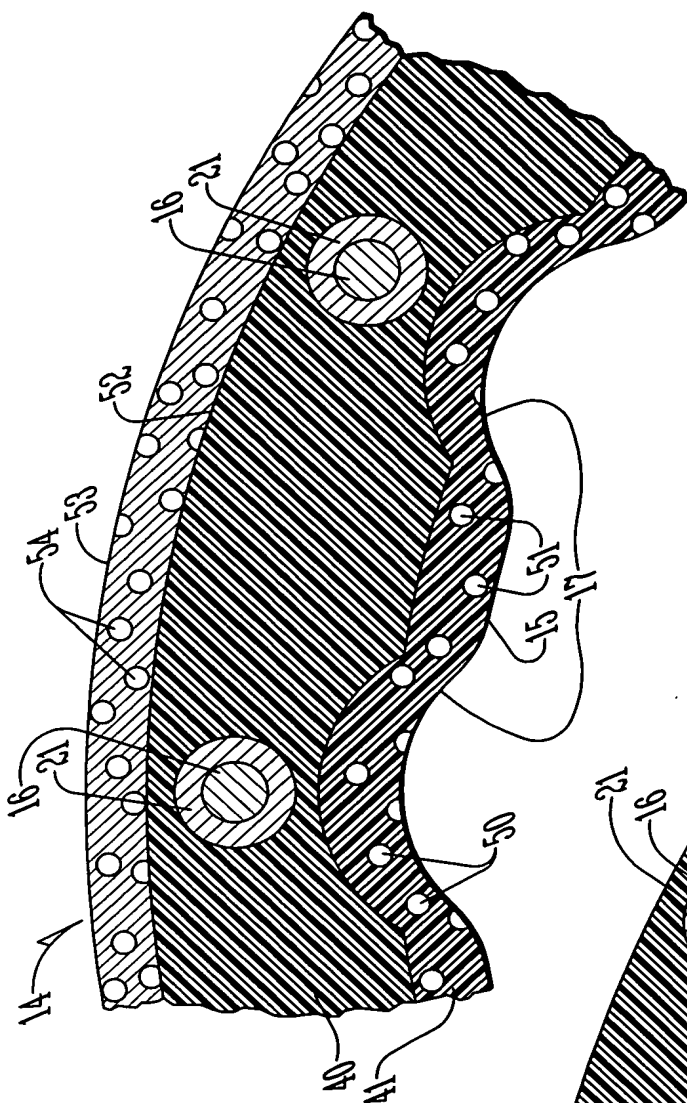


FIG. 13



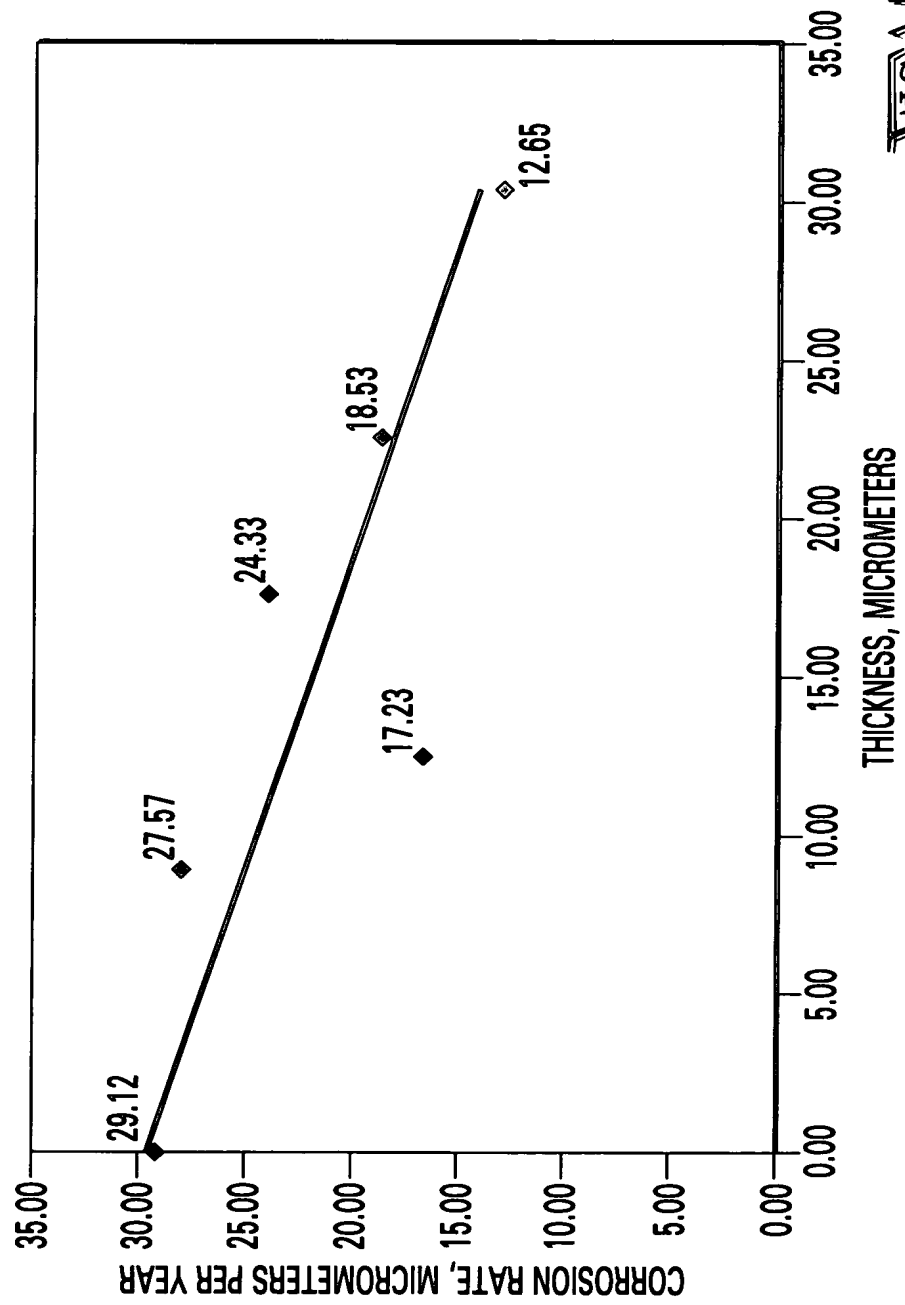


FIG. 1A

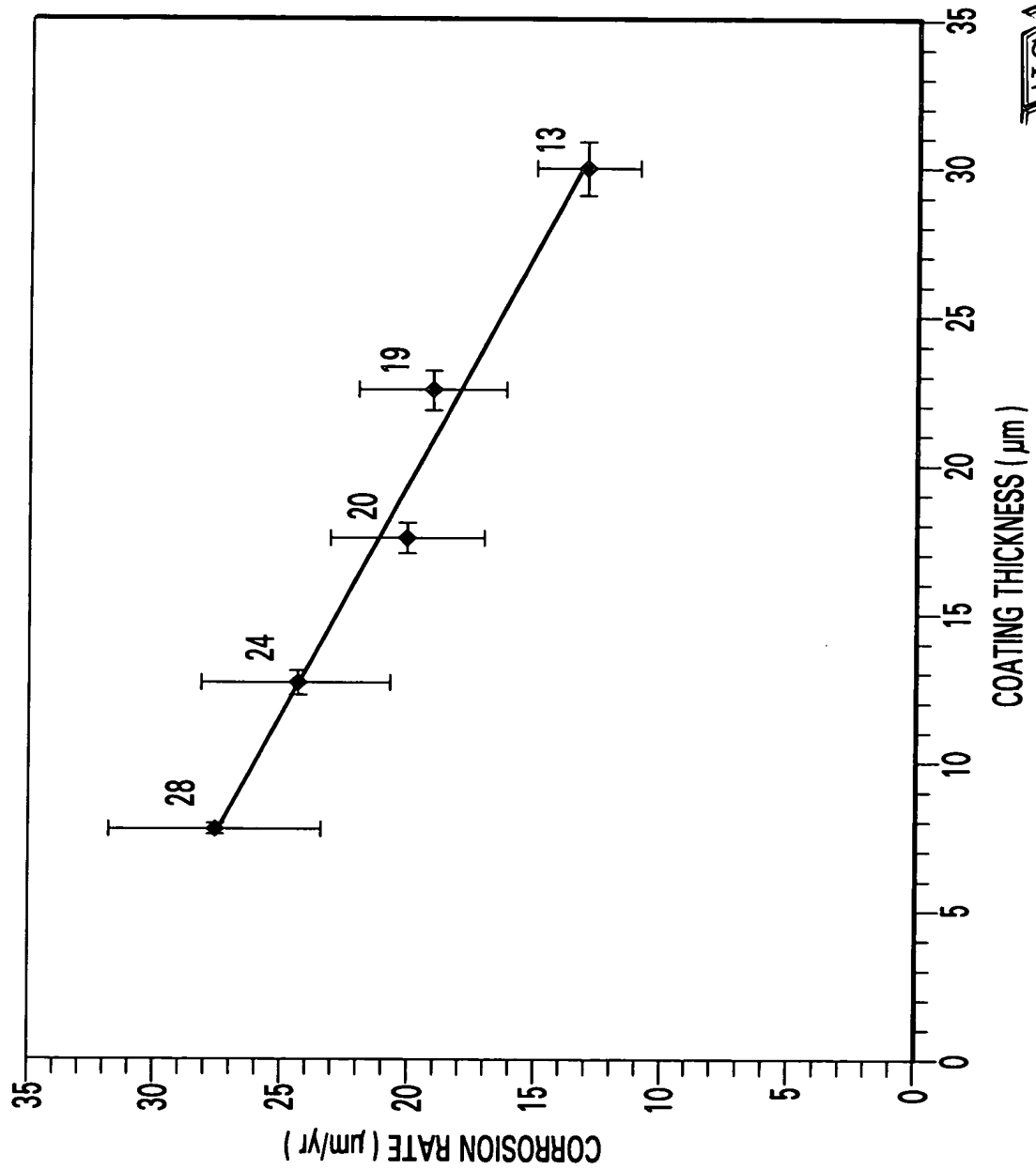


FIG. 15A

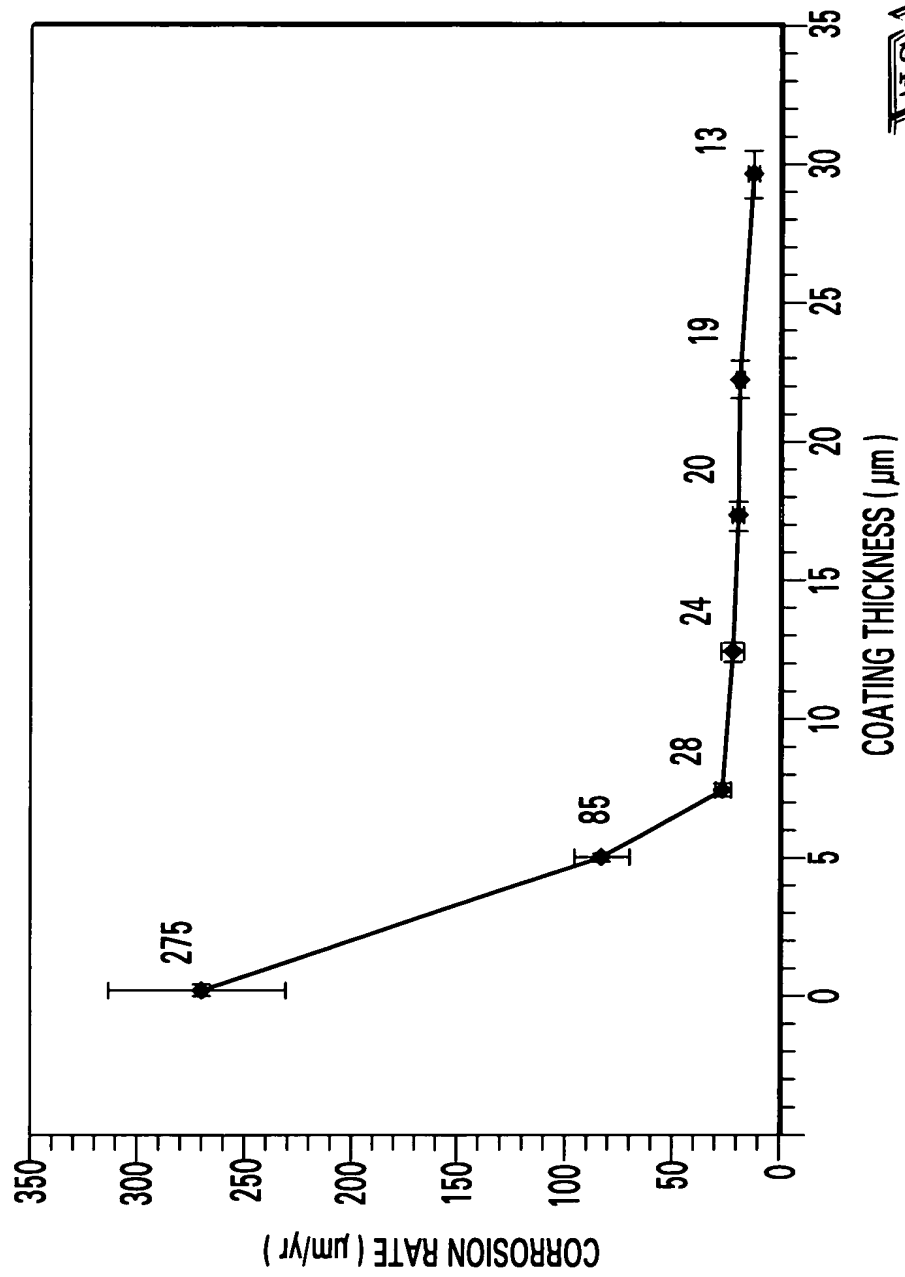


FIG. 15B

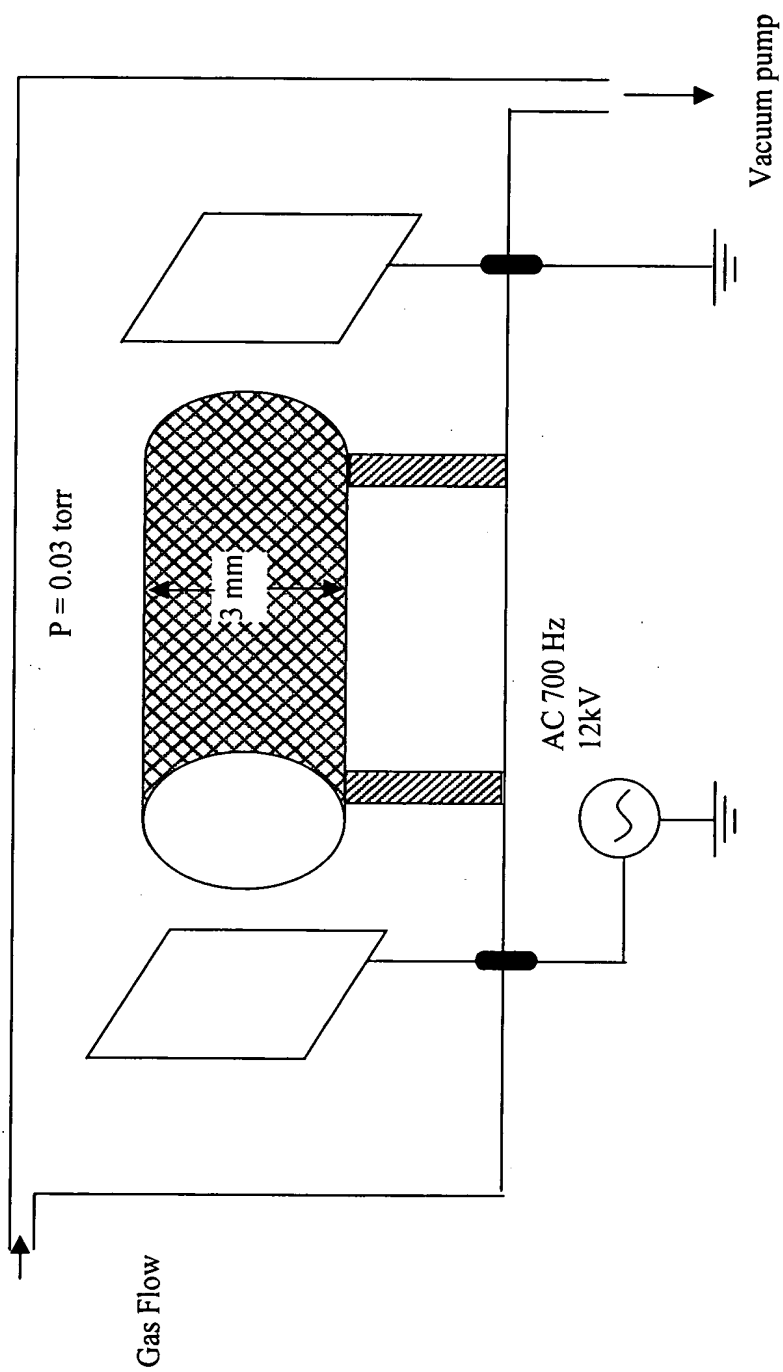


Fig. 16 A. Low-pressure plasma reactor for surface modification of stent metal mesh

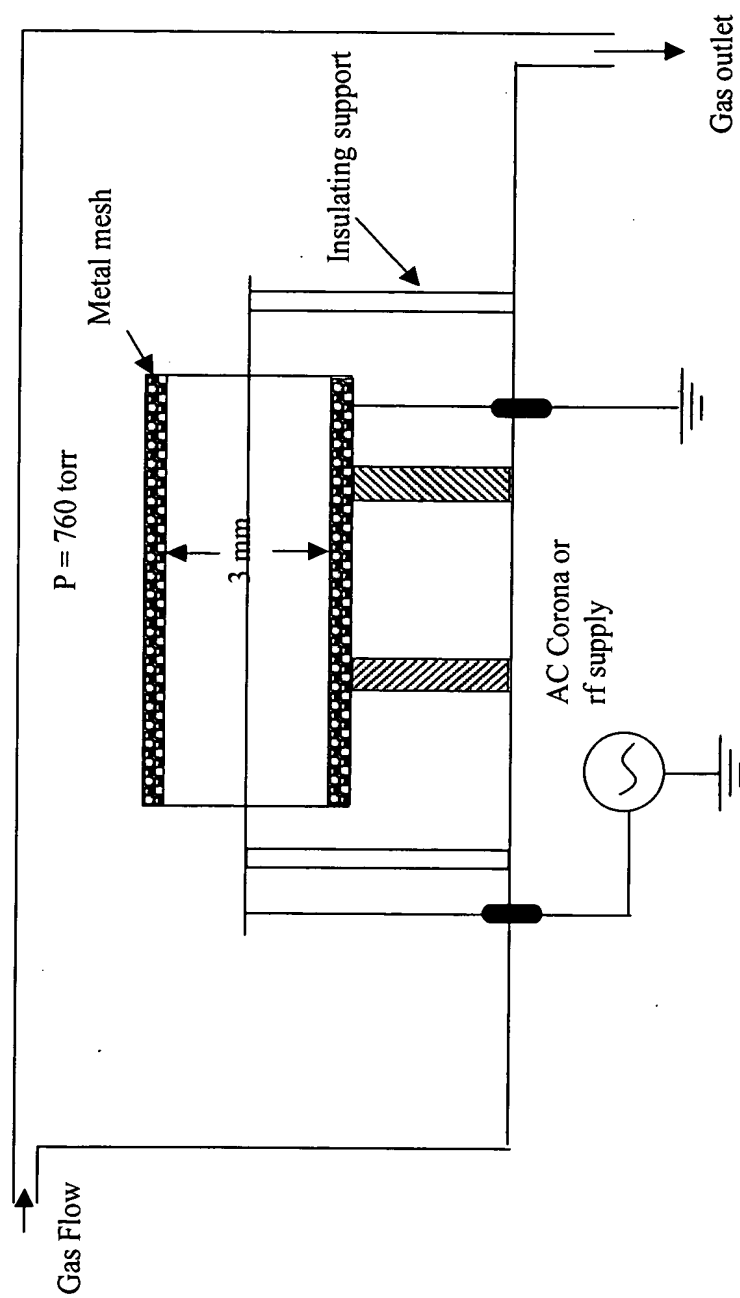


Fig. 16 B. Atmospheric pressure plasma reactor for surface modification of inner lining of polyurethane encased stent

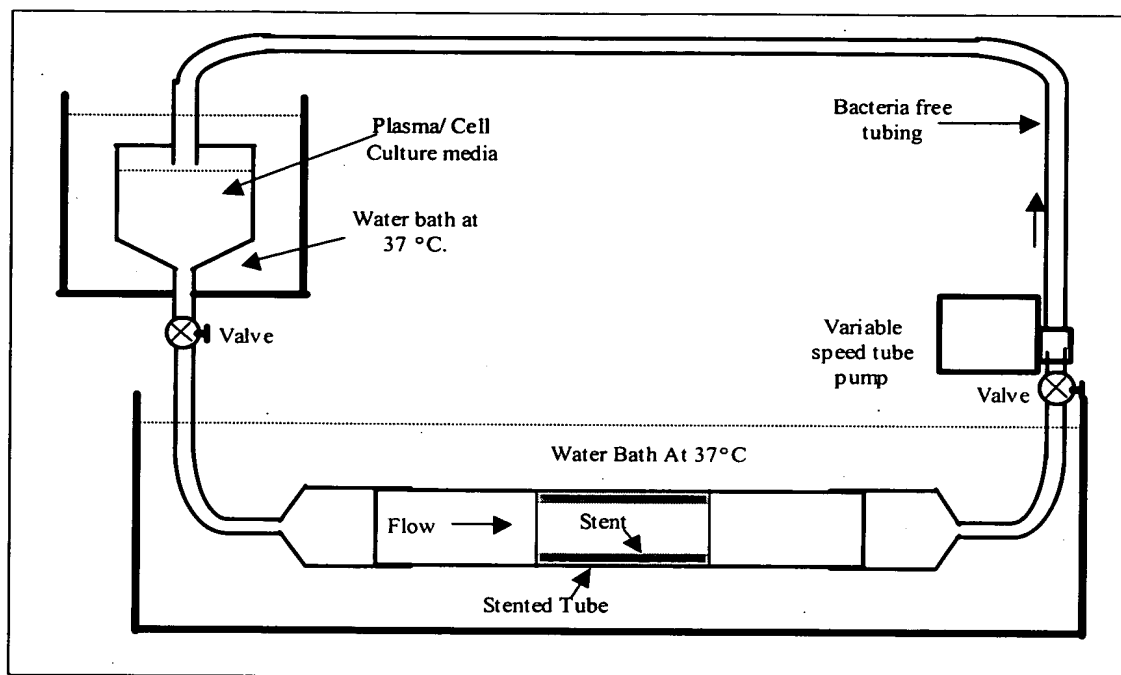


Figure 17: Flow Cell for Endothelial Cell Growth Studies

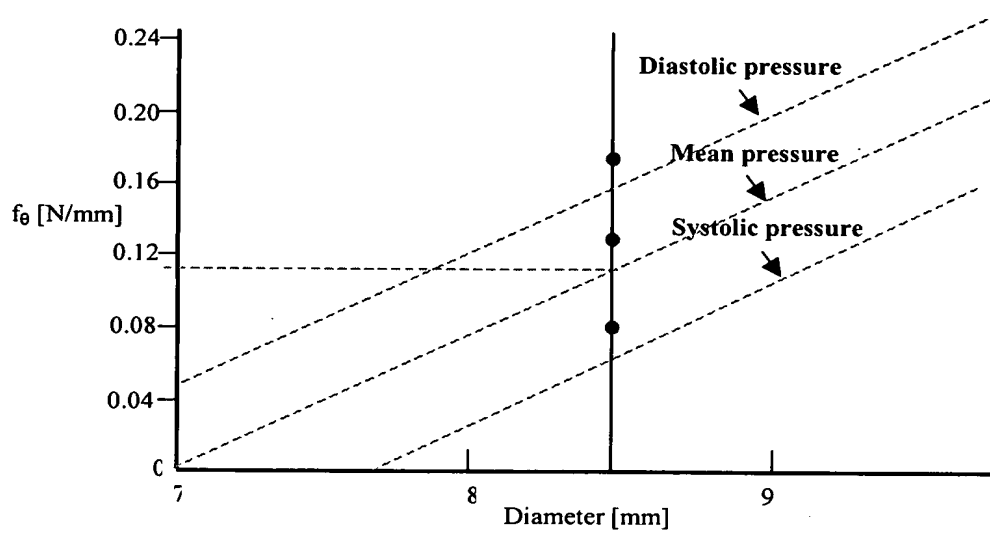


Fig.19

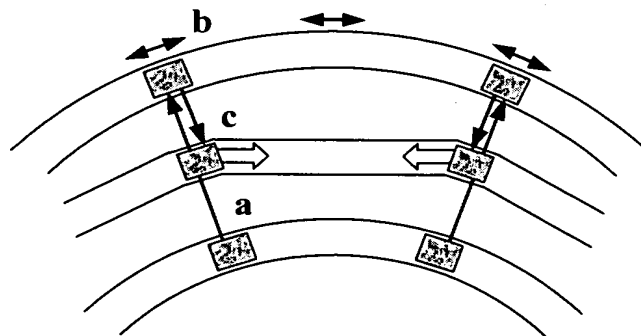


Fig. 18

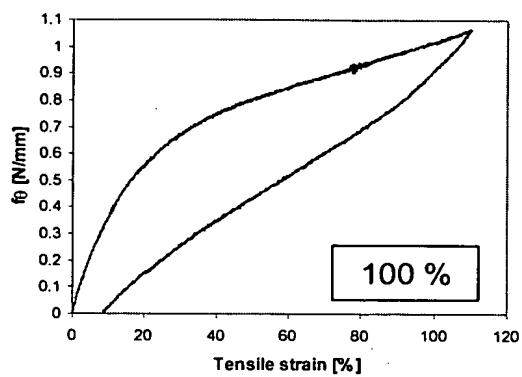


Fig. 20A

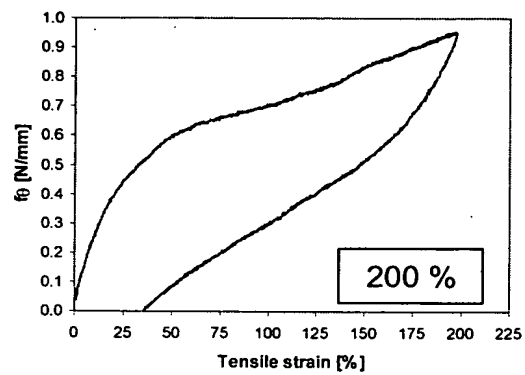


Fig. 20B

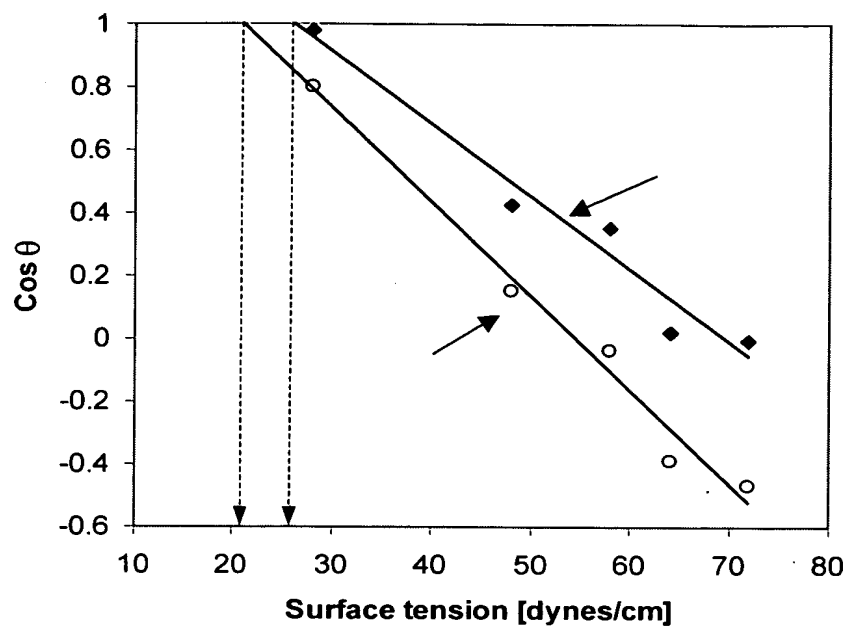


Fig. 22

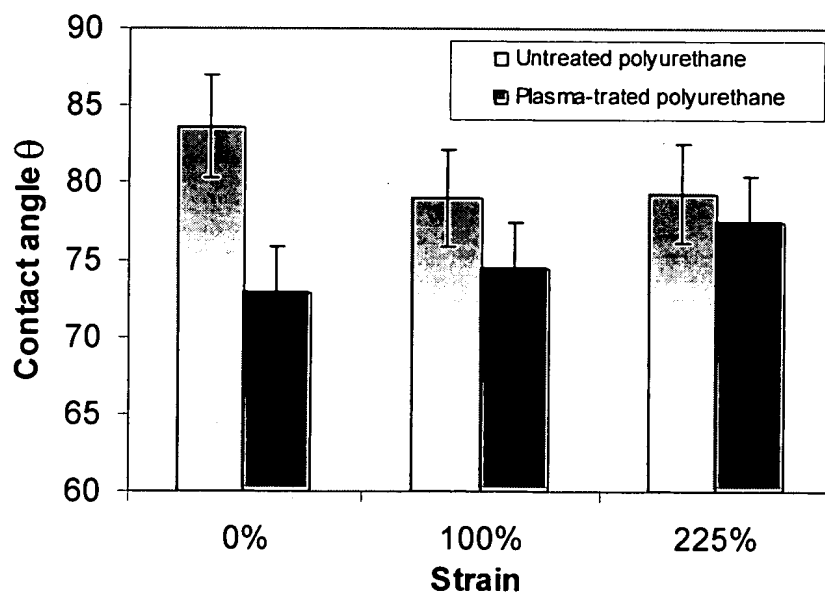
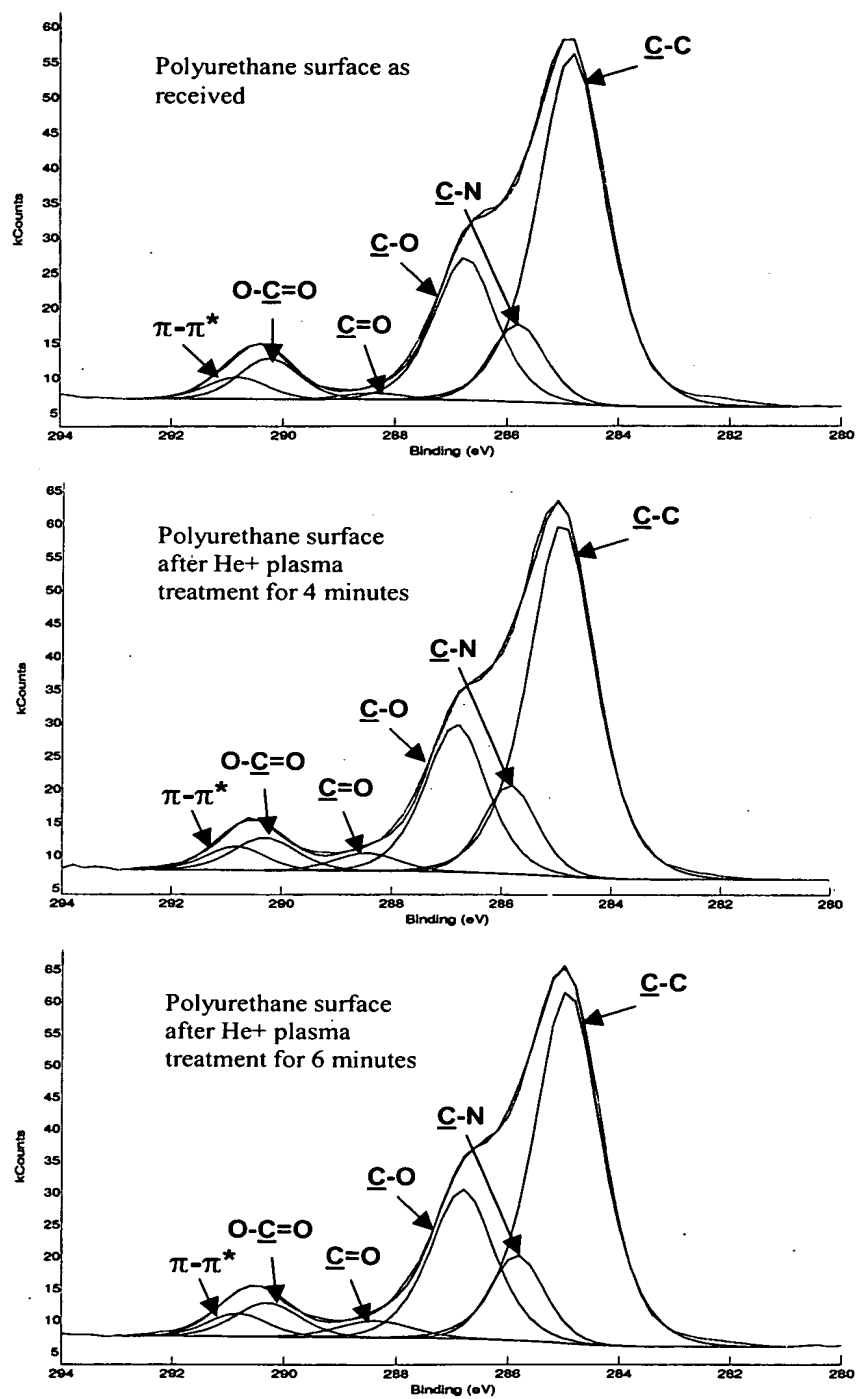


Fig. 23

Fig. 24A-C



Functional group atomic concentration [%]

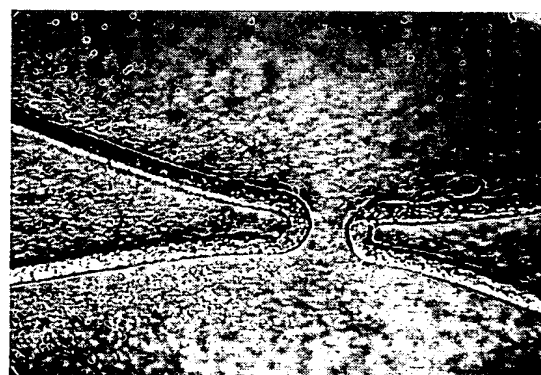
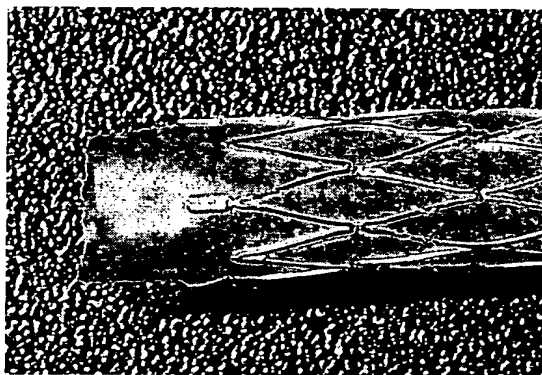
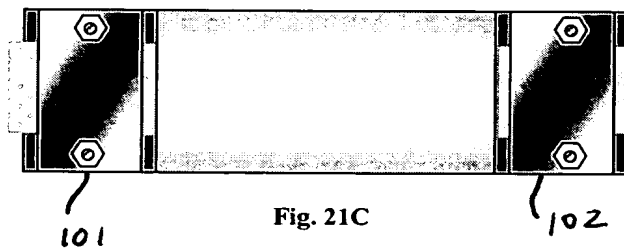
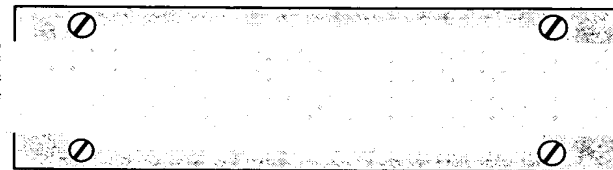
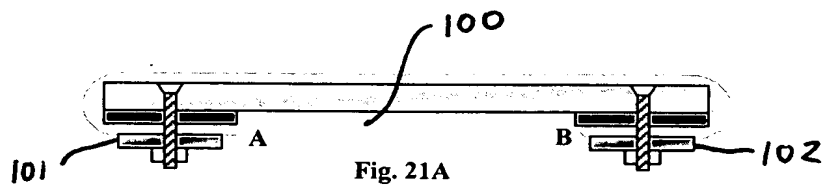


Fig. 26A

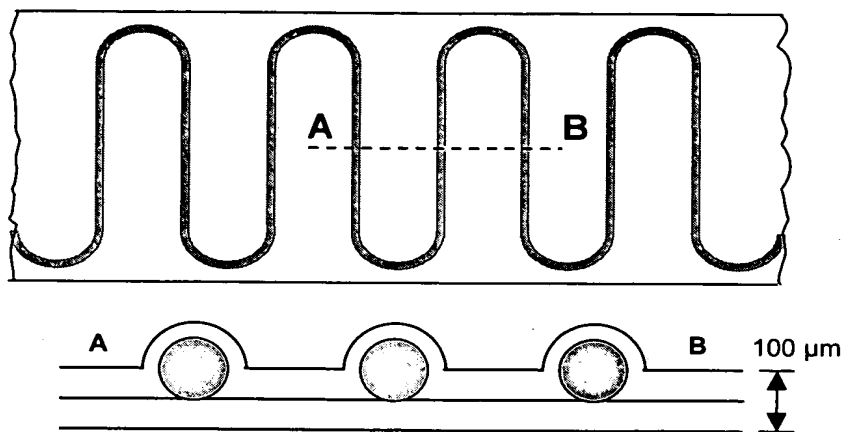


Fig. 26B

Fig. 27A

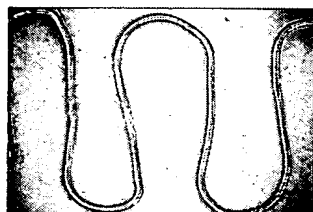


Fig. 27B

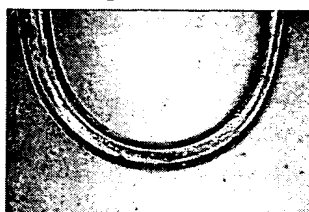


Fig. 27C

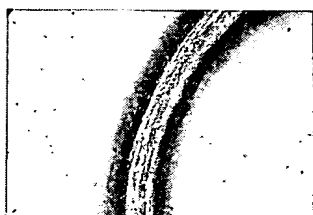


Fig. 27D



Fig. 27E

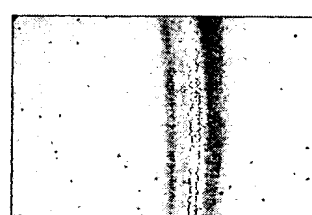


Fig. 27F

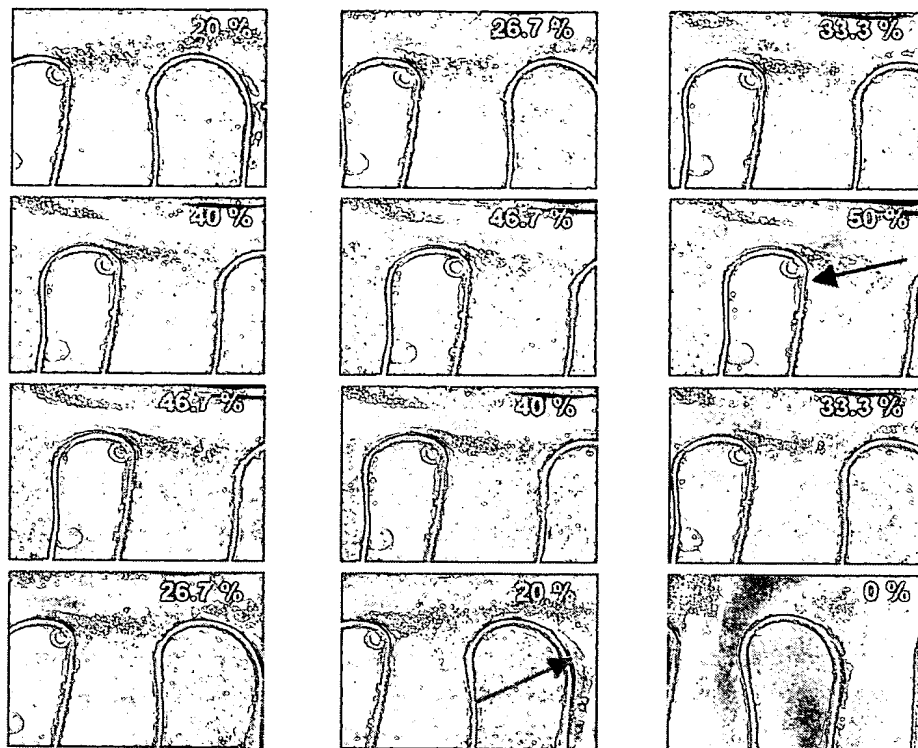


Fig. 28A-L.

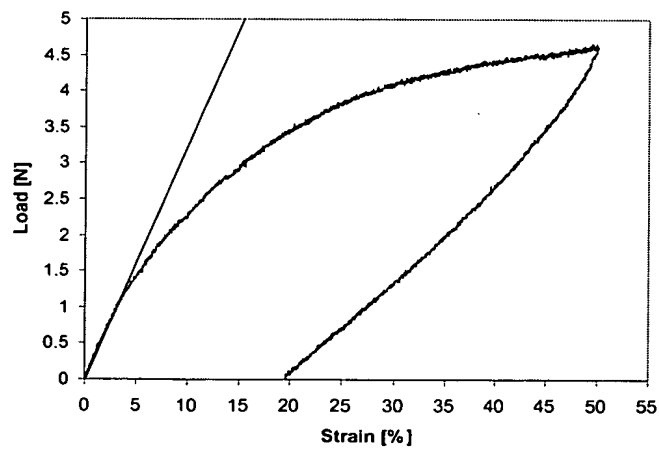


Fig. 29

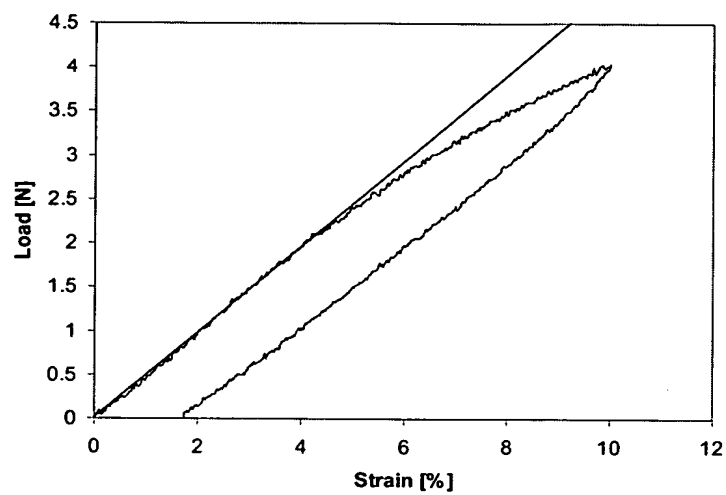


Fig. 30

Fig. 31A

Fig. 31B

Fig. 31C

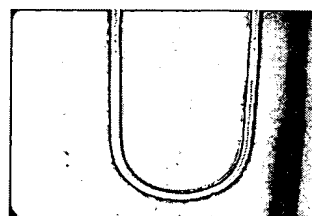
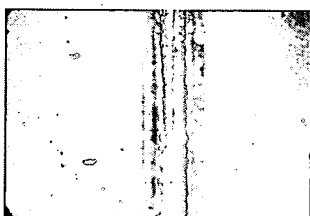
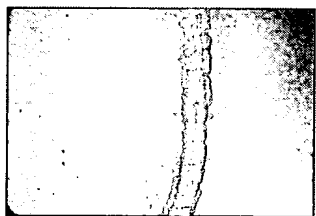
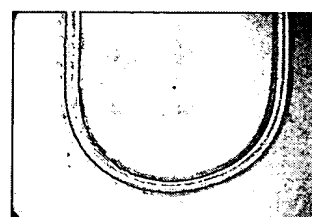
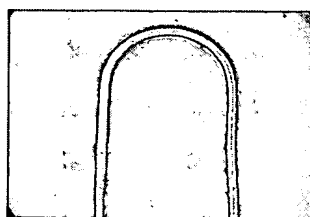
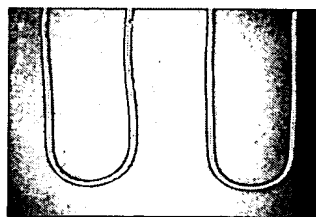


Fig. 31D

Fig. 31E

Fig. 31F

Fig. 32A

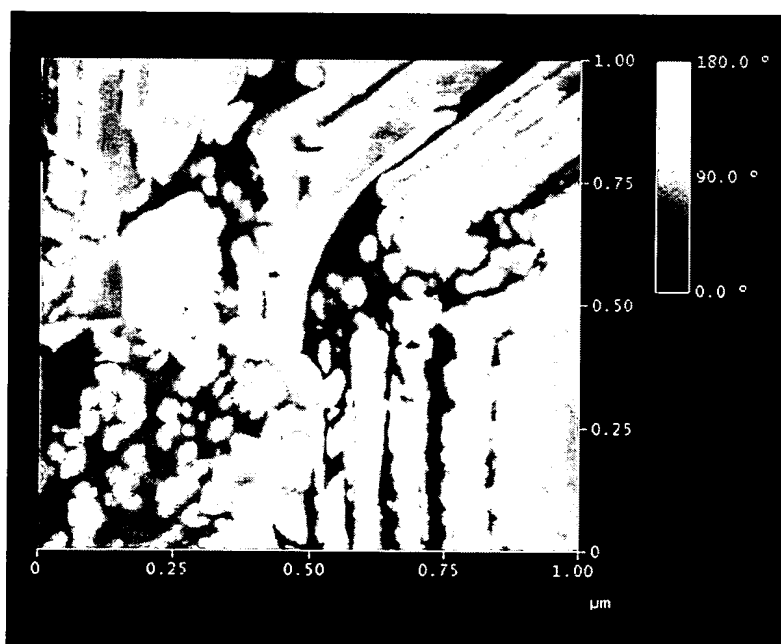
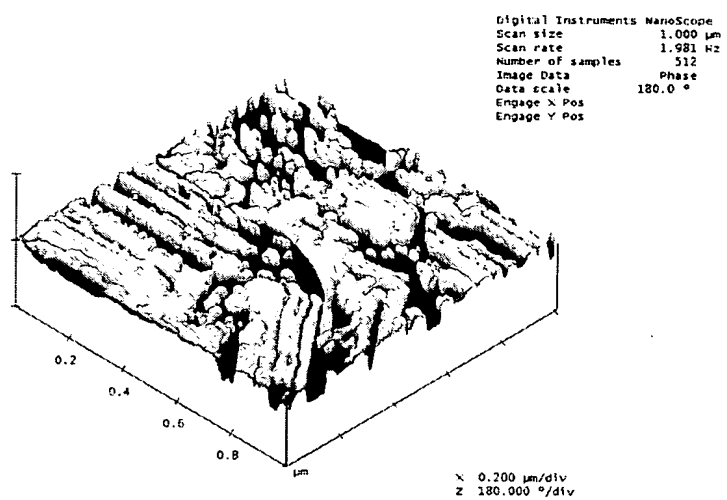
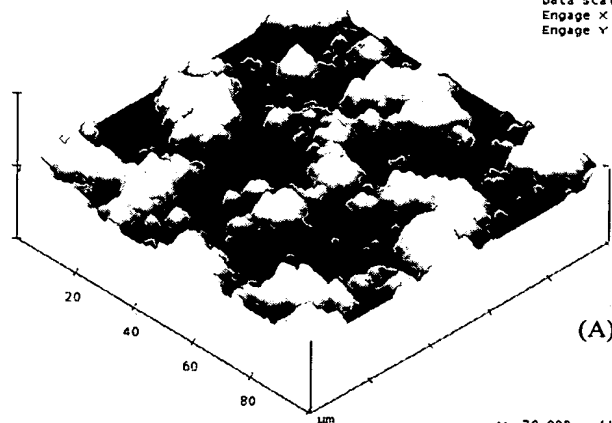


Fig. 32B

Fig. 33A

Digital Instruments NanoScope
 Scan size 100.0 μm
 Scan rate 1.008 Hz
 Number of samples 512
 Image Data Height
 Data scale 10.00 μm
 Engage X Pos
 Engage Y Pos

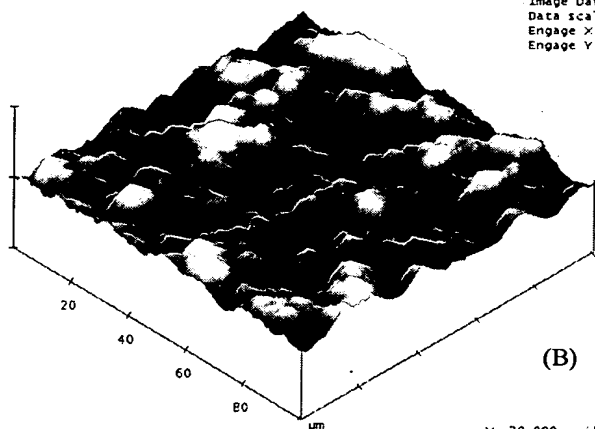


(A)

$R_a = 0.7-1.0 \mu\text{m}$
 $R_q = 0.9-1.2 \mu\text{m}$
 $R_{\text{max}} = 4.5-6.0 \mu\text{m}$
 $\Delta A_{\text{True}}/\Delta A_{\text{app}} = 11-16\%$

X 20.000 $\mu\text{m}/\text{div}$
 Z 10000.000 nm/div

Digital Instruments NanoScope
 Scan size 100.0 μm
 Scan rate 1.008 Hz
 Number of samples 512
 Image Data Height
 Data scale 10.00 μm
 Engage X Pos
 Engage Y Pos



(B)

$R_a = 0.7-1.1 \mu\text{m}$
 $R_q = 0.9-1.5 \mu\text{m}$
 $R_{\text{max}} = 5.1-6.5 \mu\text{m}$
 $\Delta A_{\text{True}}/\Delta A_{\text{app}} = 9-15\%$

X 20.000 $\mu\text{m}/\text{div}$
 Z 10000.000 nm/div

Fig. 32B

Fig. 34A

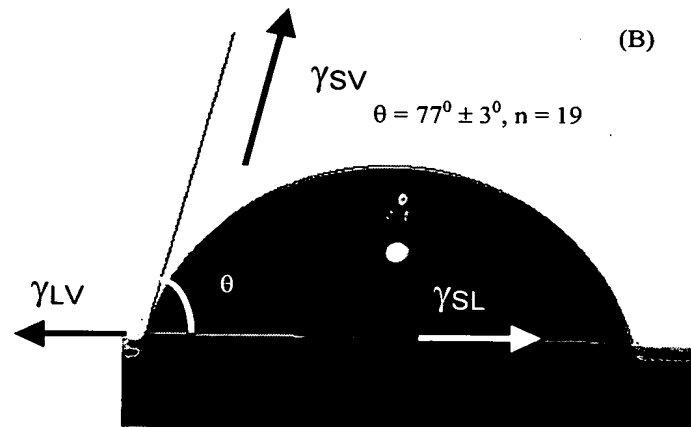
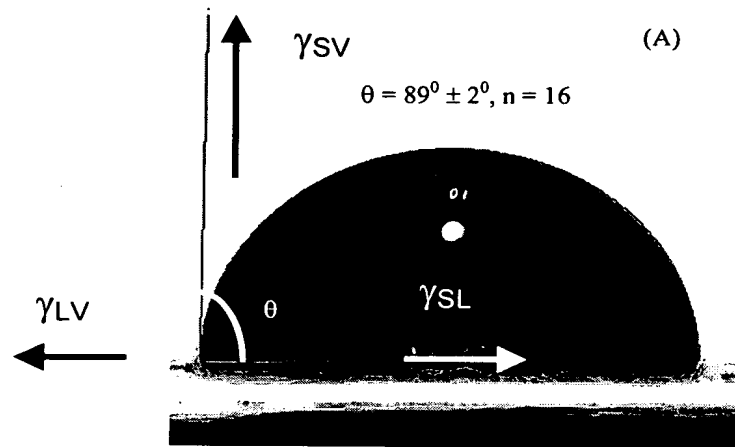


Fig. 34B

Fig. 35A

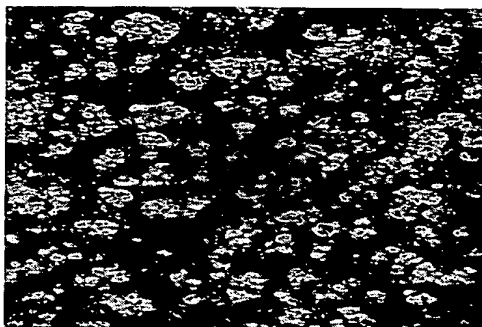
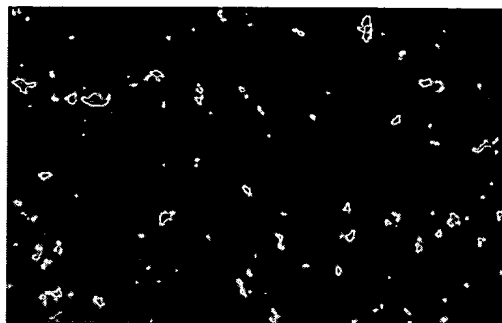


Fig. 35B



BEST AVAILABLE COPY

Fig. 36A

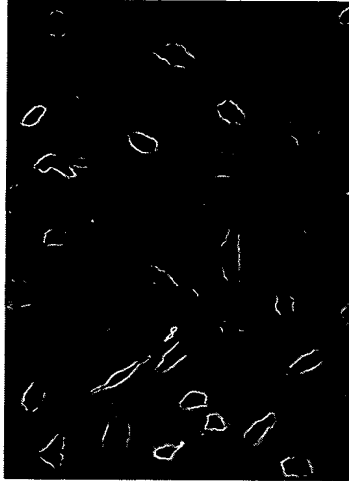


Fig. 36B

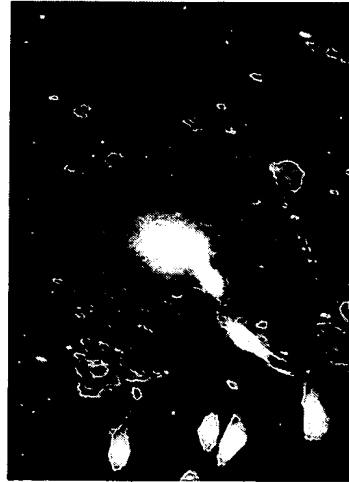


Fig. 36C

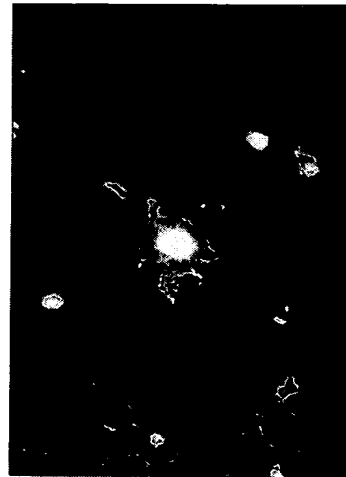


Fig. 36D



Fig. 37A

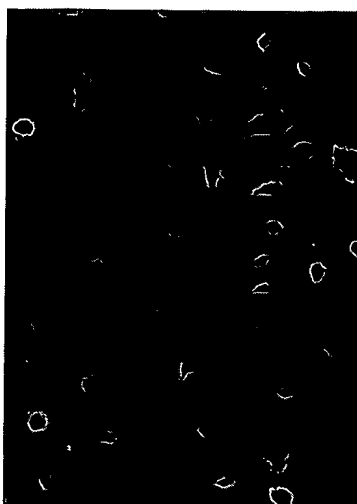


Fig. 37B

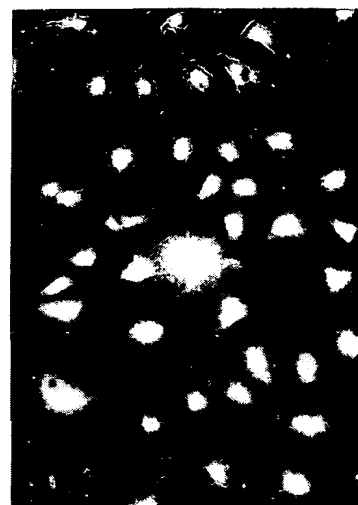


Fig. 37C

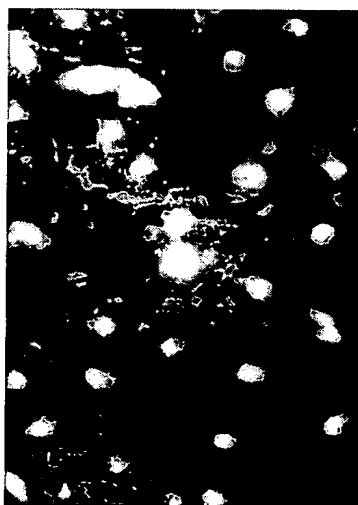


Fig. 38A

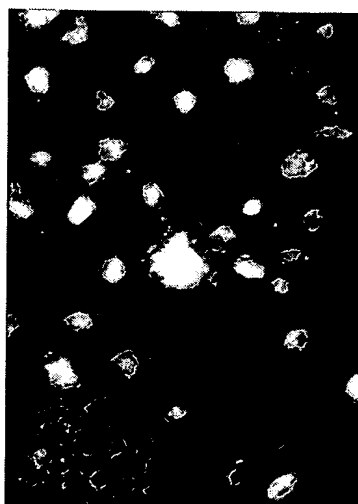


Fig. 38B

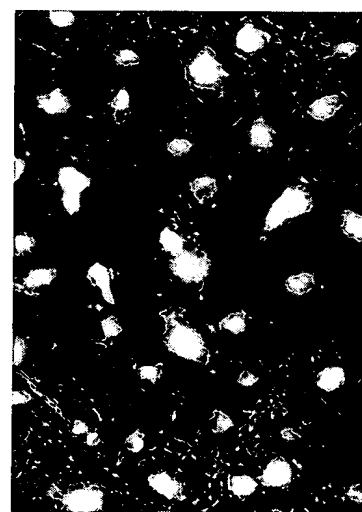
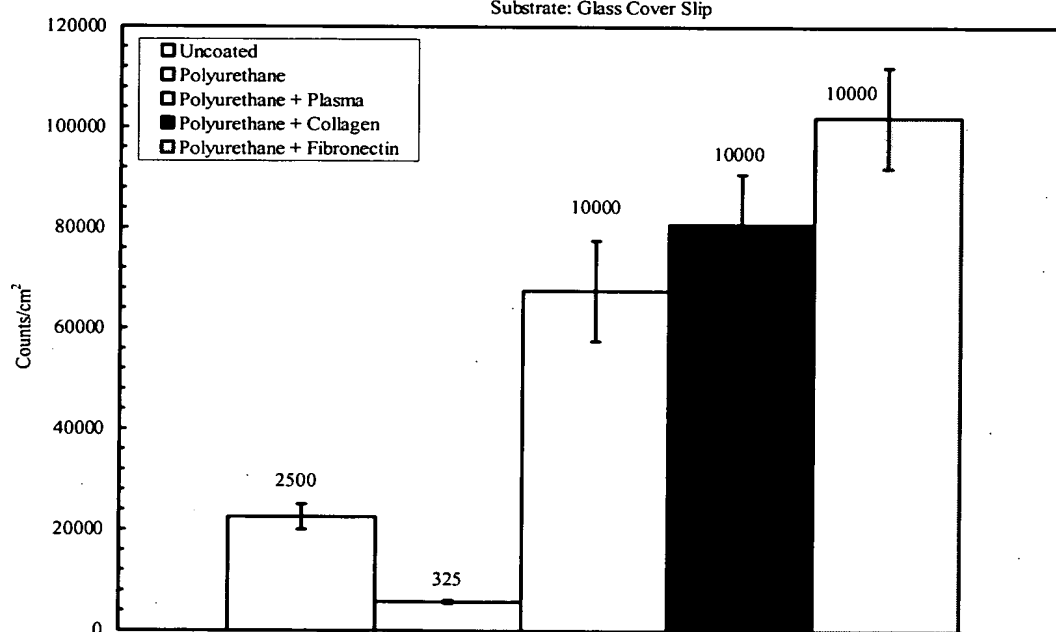
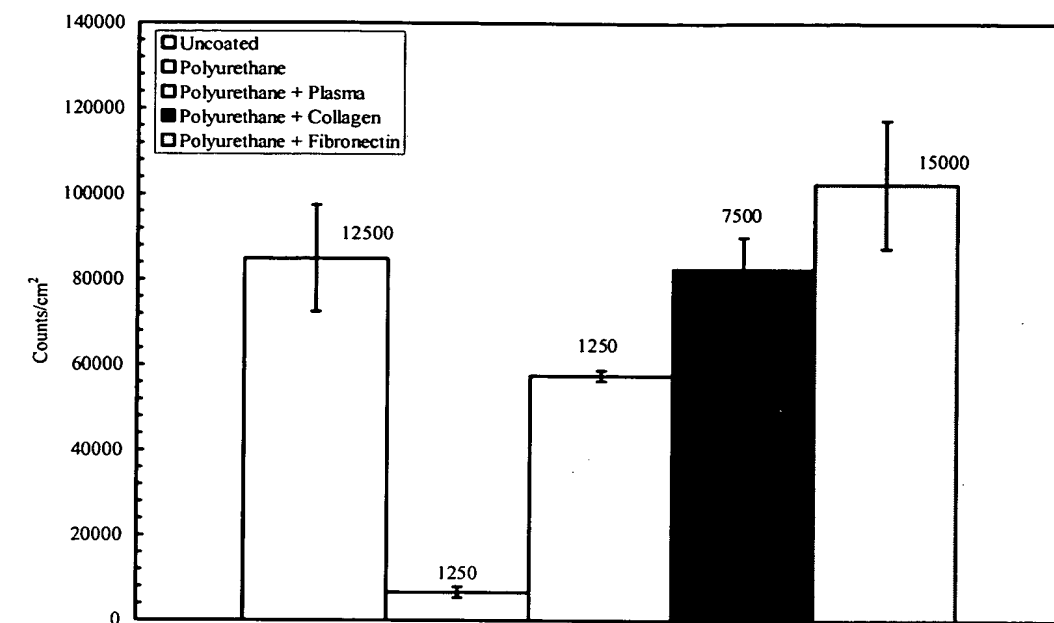


Fig. 38C



Figs. 39A-B

BEST AVAILABLE COPY